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**From:** Harrington, Jim (DEC) [jim.harrington@dec.ny.gov]  
**Sent:** 2/5/2016 8:30:12 PM  
**To:** Garbarini, Doug [Garbarini.Doug@epa.gov]  
**CC:** Schick, Robert (DEC) [robert.schick@dec.ny.gov]; Ryan, Michael (DEC) [michael.ryan@dec.ny.gov]  
**Subject:** RE: Meeting Yesterday  
**Attachments:** OU2 1,4Dioxane Groundwater Samplings conducted around NGC ONCT September....pdf; OU2 1,4Dioxane Groundwater Samplings December 2014 and March 2015.pdf; OU2 1,4Dioxane Groundwater Samplings June and September 2015.pdf; Document1.docx

Doug – We are available for the call Tues. DEC will use Lisa Voyce from HDR's Mahwah office for technical support. Mike Lehtinen from HDR and I will also be on the call. I suggest that you ask everyone to identify the participants in the call, especially the technical experts. I get a sense that they all know each other (sounds like a small fraternity). It would be nice to outline the goal for this first call – something like to try to obtain concurrence on the concept and start working on a joint protocol. Attached is the 1,4 dioxane data that we have accumulated. The maps are from Navy reports. The table is data for the wells identified by MWD. Two of the 6 wells are not contaminated and none approach the 10 ug/m3 that Pace indicates that CSIA works on ( " CSIA is appropriate for ... and 14D concentrations as low as 10 ug/l). I believe that Mike Wolfert showed a slide on Tues that had more and indicated by voice mail that they will have a big table by Monday or tuesday. I assume that you will send out a call in number. Jim H

James B Harrington, PE  
Director, Remedial Bureau A  
Division of Environmental Remediation  
518 -402-9624

Please note my new email address  
Jim.Harrington@dec.ny.gov

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**From:** Garbarini, Doug [mailto:Garbarini.Doug@epa.gov]  
**Sent:** Thursday, February 04, 2016 2:50 PM  
**To:** Schick, Robert (DEC); Harrington, Jim (DEC); Ryan, Michael (DEC)  
**Subject:** RE: Meeting Yesterday

Based upon responses from NG, MWD and Navy I will send an invite out later this afternoon for a call on Tuesday from 3:00 to 4:30.

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**From:** Garbarini, Doug  
**Sent:** Thursday, February 04, 2016 9:06 AM  
**To:** 'Schick, Robert (DEC)' <robert.schick@dec.ny.gov>; Harrington, Jim (DEC) <jim.harrington@dec.ny.gov>; Ryan, Michael (DEC) <michael.ryan@dec.ny.gov>  
**Subject:** RE: Meeting Yesterday

Thanks

I will write back letting him know that EPA thinks we should have the call with the larger group since we had committed to do so, and then MWD and DEC could take it from there.

Can I assume someone from DEC can make a call anytime Monday or Tuesday afternoon?

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**From:** Schick, Robert (DEC) [<mailto:robert.schick@dec.ny.gov>]

**Sent:** Thursday, February 04, 2016 8:37 AM

**To:** Garbarini, Doug <[Garbarini.Doug@epa.gov](mailto:Garbarini.Doug@epa.gov)>; Harrington, Jim (DEC) <[jim.harrington@dec.ny.gov](mailto:jim.harrington@dec.ny.gov)>; Ryan, Michael (DEC) <[michael.ryan@dec.ny.gov](mailto:michael.ryan@dec.ny.gov)>

**Subject:** RE: Meeting Yesterday

Yes he was concerned that Navy and NG would drag this out, I told him it was premature to drop them at this time since they had right under order/agreement to split and if we were going to pursue we felt need for comparability of the work. But I told him we would not let them unduly delay this if they were to stall we would pursue an MWD/DEC sampling at the original scope if need be but we needed to give it time to work out before pulling the plug and that your EPA guy was ready to engage as early as next week. . Basically what you said below in third paragraph is what I told him and that should be your message back



**Robert W. Schick, P.E.**

Director, Division of Environmental Remediation

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[www.dec.ny.gov](http://www.dec.ny.gov) |  | 

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**From:** Garbarini, Doug [<mailto:Garbarini.Doug@epa.gov>]

**Sent:** Thursday, February 04, 2016 8:31 AM

**To:** Schick, Robert (DEC); Harrington, Jim (DEC); Ryan, Michael (DEC)

**Subject:** FW: Meeting Yesterday

Bob

Did you and Stan speak about this yesterday? I know you have to follow directions from above.

If we do limit the participants to MWD, DEC and EPA I think we should let NG and Navy know that we are doing this.

Maybe we could suggest to Stan that we have this first call early next week and include NG and Navy and then make a decision as to whether DEC/MWD just proceed on a separate path. Another option would be to have the call with the larger group, and then during the call inform NG/Navy that you guys have decided to proceed without them.

If you want, I could suggest these options to Stan indicating that I think we should honor the commitments made by all at the last meeting. One way or the other, I think EPA should be advocating for a first call with the larger group. However, if you guys decide that you don't want it to happen that way I think we would inform the group (after EPA advocated for a larger group meeting to you and Stan) that there has been a change in plans based upon input coming from the higher levels of state gov't.

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**From:** Stan Carey [<mailto:scarey@massapequawater.com>]

**Sent:** Wednesday, February 03, 2016 5:57 PM

**To:** Garbarini, Doug <[Garbarini.Doug@epa.gov](mailto:Garbarini.Doug@epa.gov)>

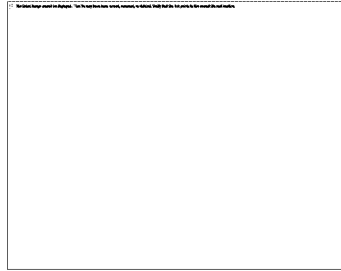
**Cc:** 'Schick, Robert (DEC)' <[robert.schick@dec.ny.gov](mailto:robert.schick@dec.ny.gov)>; 'Harrington, Jim (DEC)' <[jim.harrington@dec.ny.gov](mailto:jim.harrington@dec.ny.gov)>; 'Rich Humann' <[rhumann@h2m.com](mailto:rhumann@h2m.com)>; 'Patrick McLoughlin' <[Patrick.McLoughlin@pacelabs.com](mailto:Patrick.McLoughlin@pacelabs.com)>;

Aaron.Peacock@pacelabs.com

**Subject:** RE: Meeting Yesterday

I am available Monday anytime or Tuesday afternoon to participate in a conf call. Thank you.

Stan Carey, Superintendent  
Massapequa Water District



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**From:** Garbarini, Doug [<mailto:Garbarini.Doug@epa.gov>]

**Sent:** Wednesday, February 03, 2016 4:22 PM

**To:** Stan Carey

**Cc:** Schick, Robert (DEC); Harrington, Jim (DEC); Rich Humann; Patrick McLoughlin; [Aaron.Peacock@pacelabs.com](mailto:Aaron.Peacock@pacelabs.com)

**Subject:** Re: Meeting Yesterday

Hi Stan

Let me know what comes out of your discussion with Bob.

Before getting your message I had asked Jon Gabry to provide me with dates when he would be available for a call.

We could do a call Monday anytime or Tuesday afternoon. Jon also offered to come in to NYC those times if anyone wanted to be in the same room. We could probably also find time for a call next Thursday the 11th if Monday/Tuesday don't work.

Thanks

Doug

Sent from my iPhone

On Feb 3, 2016, at 10:01 AM, Stan Carey <[scarey@massapequawater.com](mailto:scarey@massapequawater.com)> wrote:

Doug,

Thank you for organizing the meeting yesterday. We greatly appreciate EPA's participation and your extra efforts.

I do want to clarify what Jim Harrington stated yesterday with regard to CSIA testing for 1,4 dioxane. I believe the statement he made "it can't be used" is incorrect. I reviewed the response from Pace and it does not state that. It states that a portion of the testing method can't be used for 1,4D but it goes on to say 1,4D rarely degrades and this is often sufficient for forensic purposes when over 10 ppb. I had summarized by saying it becomes more challenging when concentrations are lower than 10ppb. So Jim was completely off base with his statements. These are the type of statements that continue to really frustrate the water districts. Why the hell would he misspeak in front of the PRP's and add more questions to the task at hand?

MWD would like to offer a different approach to collecting the CSIA samples. We don't see the need for any PRP involvement. The Executive order (and I can confirm this with the Governor if needed) was that the NYSDEC was to gain access and split samples with MWD. By including the PRP's it greatly complicates matters and will create delays. Here is MWD's suggestion to move forward:

Have the EPA CSIA expert confer with the MWD expert (Pace) and agree on sampling SOP's and establish an agreed protocol. The DEC can be included in this process so all are in agreement. MWD will submit a sampling plan including locations which the DEC can approve. When the DEC, MWD, and EPA experts are in agreement we can move forward with collecting the samples. If the PRP's don't like what is being done they can challenge it later. If the PRP's want to do their own CSIA sampling or do additional wells, they can do it on their own. They could have done this over the years but never choose to. We simply will not allow the PRP's to dictate strategy or create obstacles any longer. They have had their fair chance to clean up this plume for decades.

I will be reaching out to Bob Schick later today to discuss this. For now can you please forward the contact info for the EPA CSIA expert? I will have him connect with the folks at Pace. Thank you.

Stan Carey, Superintendent  
Massapequa Water District  
<image002.jpg>

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